

CPLUS-21FRX

NEW 4K HDR HDMI over Fiber Receiver with RS-232 Control



INTRODUCTION

This Receiver is designed to receive a 4K UHD HDMI signal that was extended using a single segment of multi-mode optical fiber cable (paired LC connections). Using fiber optical cable provides many advantages over traditional copper-based extension methods, including immunity to RF and magnetic interference, thinner and lighter cables, and much longer extension distances (up to 300 meters per segment). Multiple fiber Transceiver units can be placed between the Transmitter and Receiver to greatly extend the total extension distance via cascading (up to 300 additional meters per Transceiver) if the extra distance or flexibility is desired.

The source for this unit is freely switchable between an HDMI input (up to 18Gbps) and a fiber input (up to 10.2Gbps) from a compatible transmitter. The HDMI input and output of this unit supports resolutions up to 4K@60Hz (4:4:4, 8-bit), 10/12-bit HDR, 16-bit Deep Color up to 1080p@60Hz, HD audio formats and other features defined by the HDMI 2.0 specification. The fiber input's bandwidth is limited to 10.2Gbps and supports resolutions up to 4K@30Hz (4:4:4, 8-bit) or 4K@60Hz (4:2:0, 8-bit). Six pre-defined internal EDIDs and two external EDID selections are available for EDID management. The unit provides intuitive front panel controls as well as RS-232, Telnet and WebGUI control options.

FEATURES

- HDMI with 3D & 4K@60Hz with HDR support
- DVI 1.0 compliant with the use of an HDMI-DVI adapter
- HDCP 2.2 and 1.x compliant
- Switchable HDMI (18Gbps) and fiber (10.2Gbps, LC pair, multi-mode) inputs
- 1 HDMI (18Gbps) output
- Supports UHD resolutions up to 4K@60Hz (4:4:4, 8-bit)
- Supports 16-bit Deep Color up to 1080p@60Hz
- Supports pass-through of audio formats: LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Comprehensive EDID management support including 6 pre-defined internal EDIDs and up to 2 external EDIDs
- Compatible with the 3x2 HDMI and Fiber Matrix Transceiver (optional)
- Fiber reception distances of up to 300m
- Supports control via front panel, WebGUI, Telnet, and RS-232



SPECIFICATIONS

CPLUS-21FRX

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|----------------------|--|
| Input Ports | 1×HDMI 1×Fiber (LC) |
| Output Port | 1×HDMI |
| Control Ports | 1×RS-232 (3.5mm) 1×IP Control (RJ45) |
| Power Supply | 5V/2.6A |
| Dimensions | 231.5mm×25mm×108mm (W×H×D) [Case Only] 231.5mm×25mm×117mm (W×H×D) [All Inclusive] |
| Weight | 668g |

